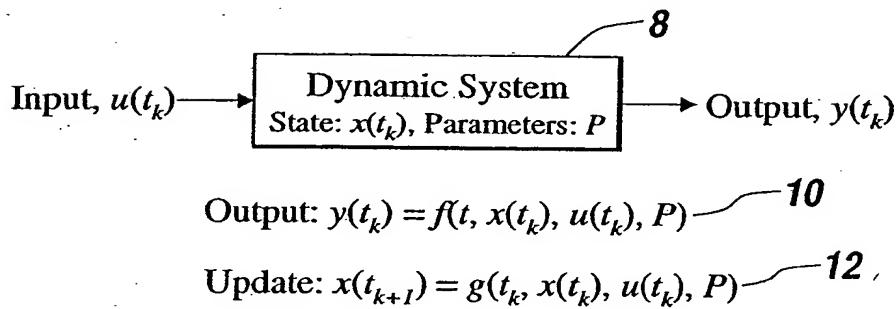
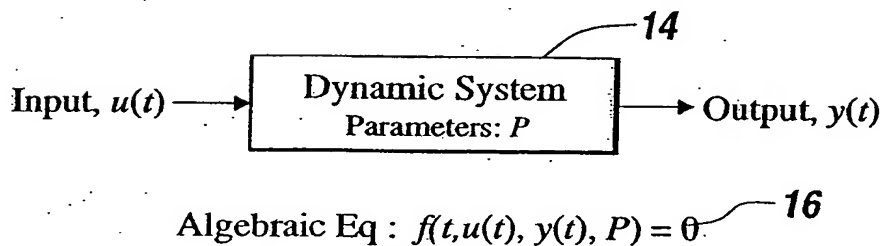
*Fig. 1A**Fig. 1B**Fig. 1C*

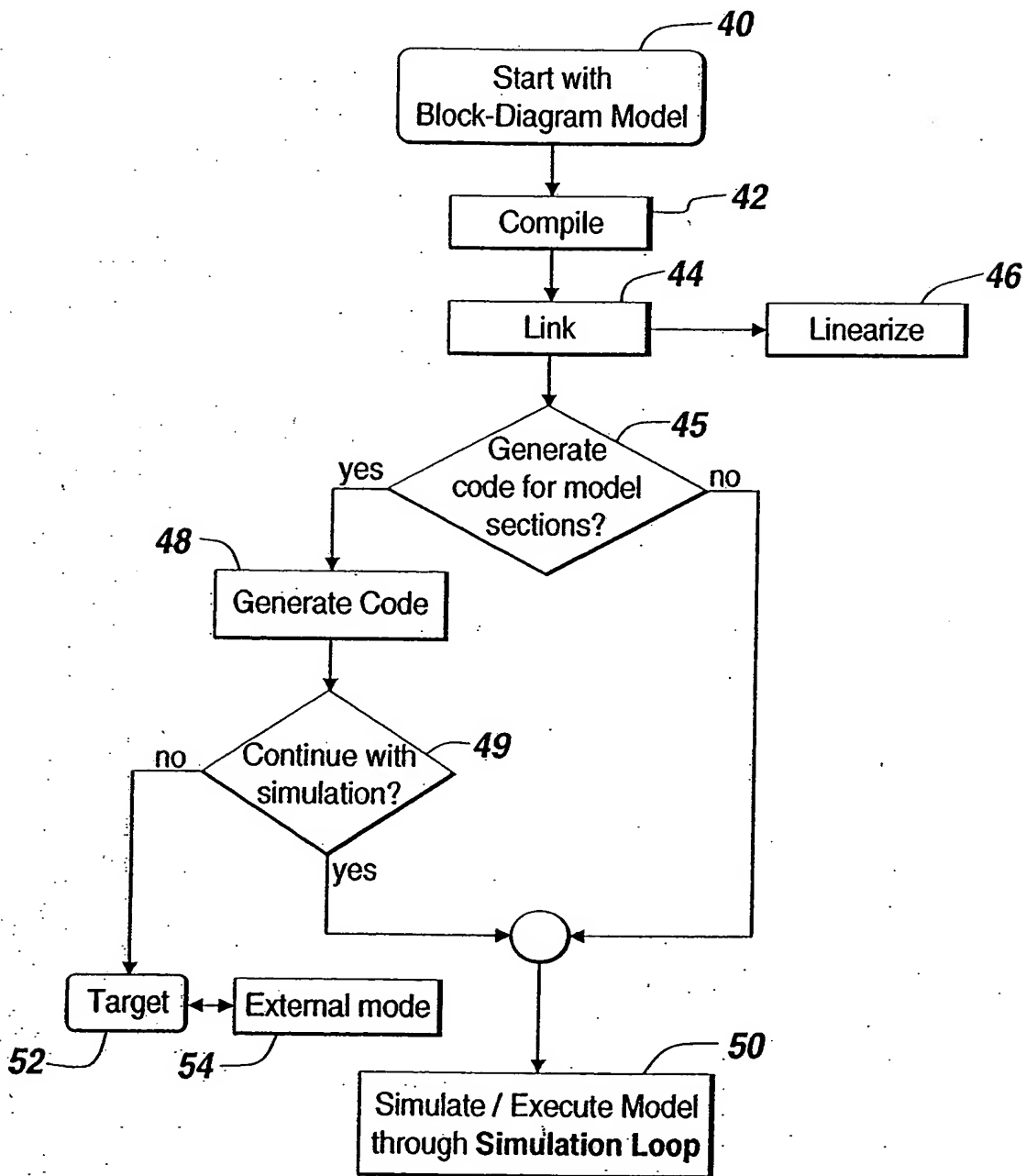


Fig. 4

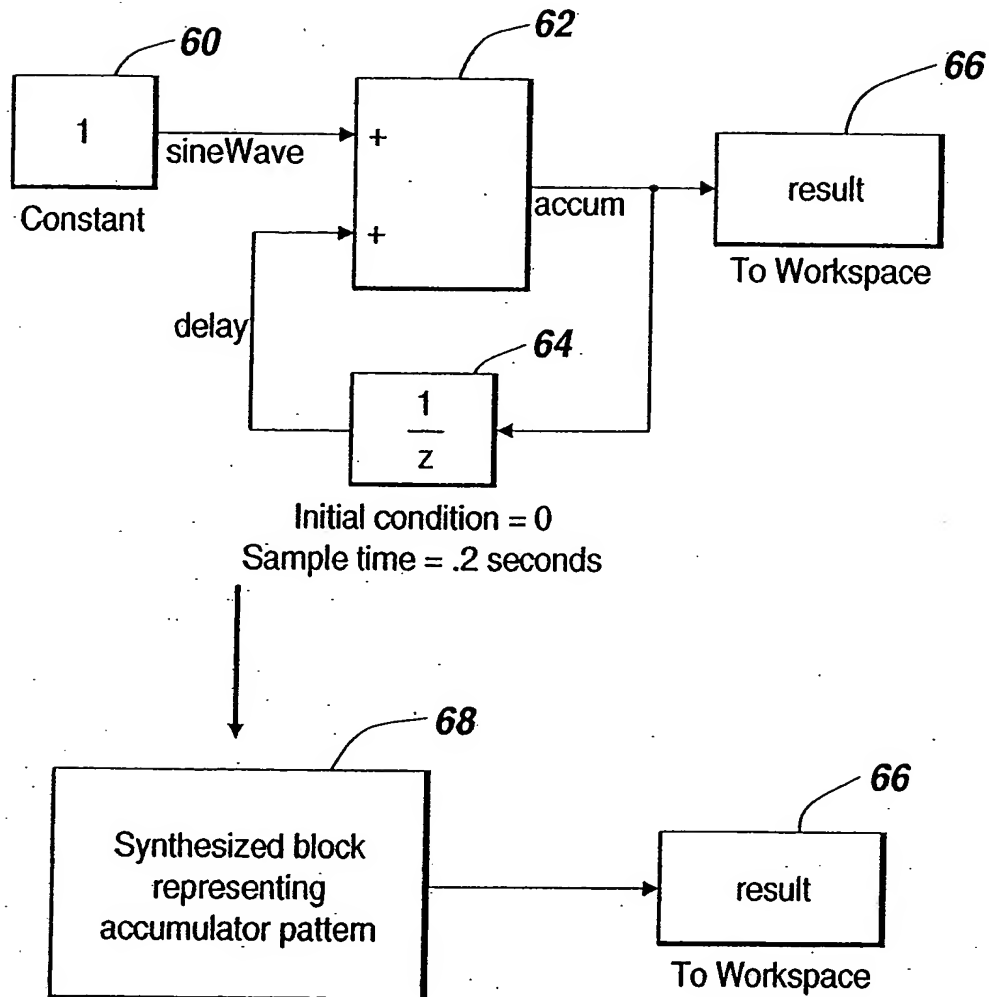


Fig. 5

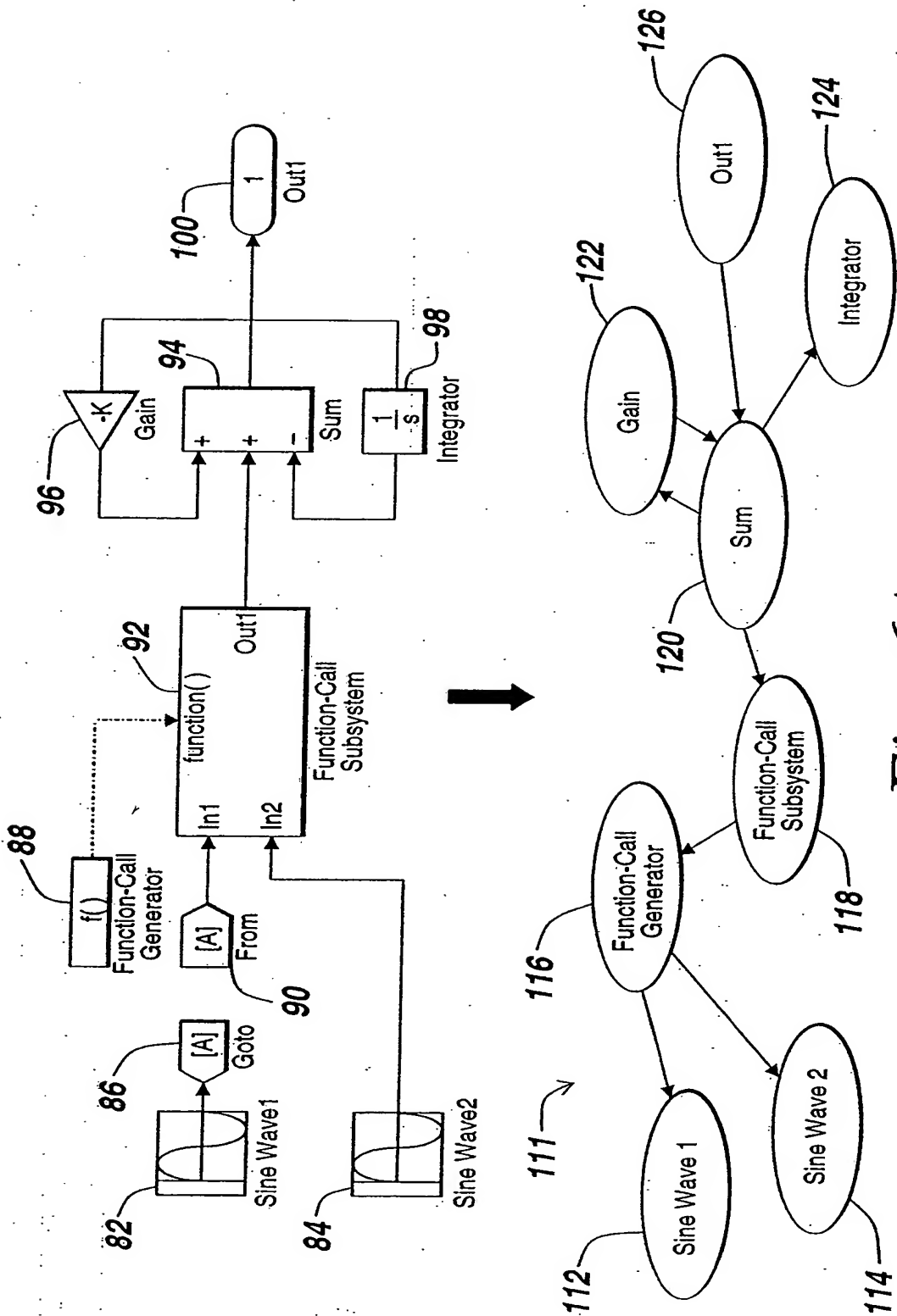


Fig. 6A

Sorted List:

128
↙

0:0 Sine Wave 1
0:1 Sine Wave 2
0:2 Function-Call Generator
0:3 Function-Call Subsystem
0:4 Integrator
0:5 Gain (algebraic id 0#1)
0:6 Sum (algebraic variable for id 0#1)
0:7 Out1

Fig. 6B

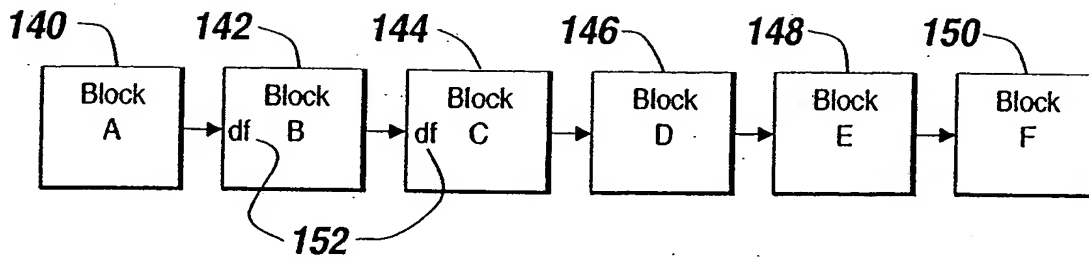


Fig. 7A

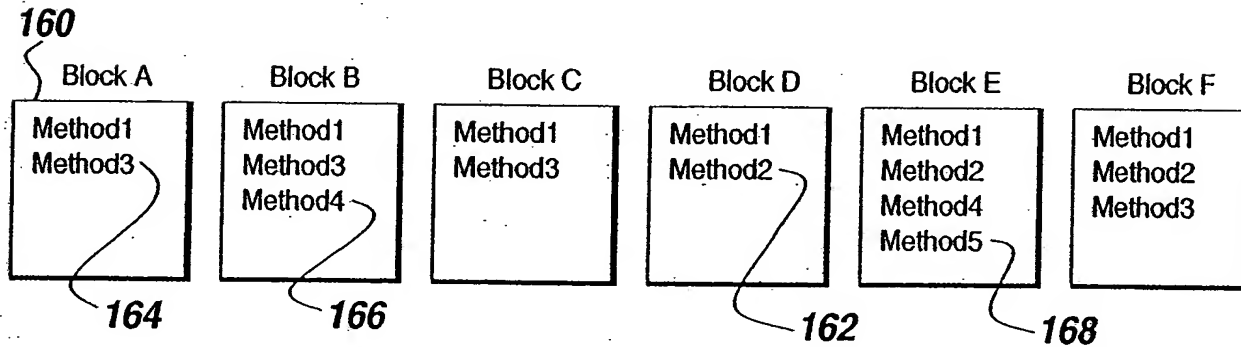


Fig. 7B

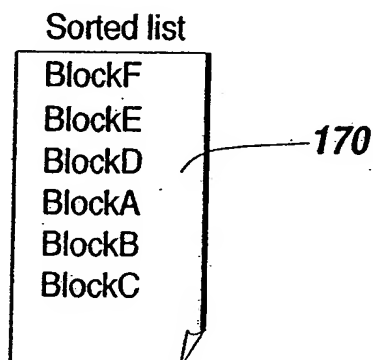


Fig. 7C

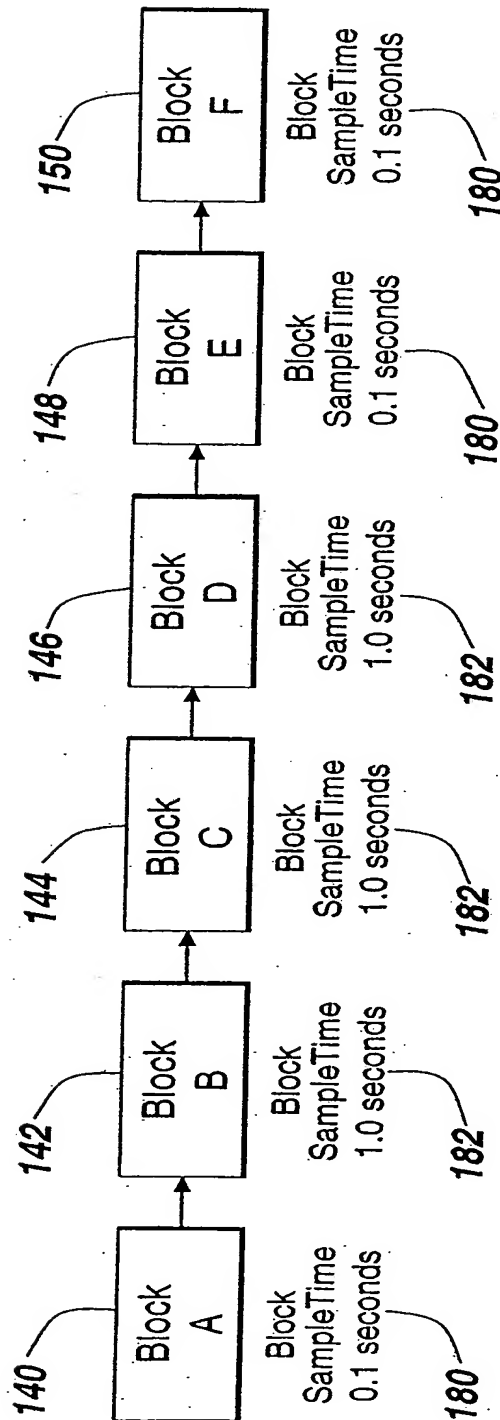


Fig. 8

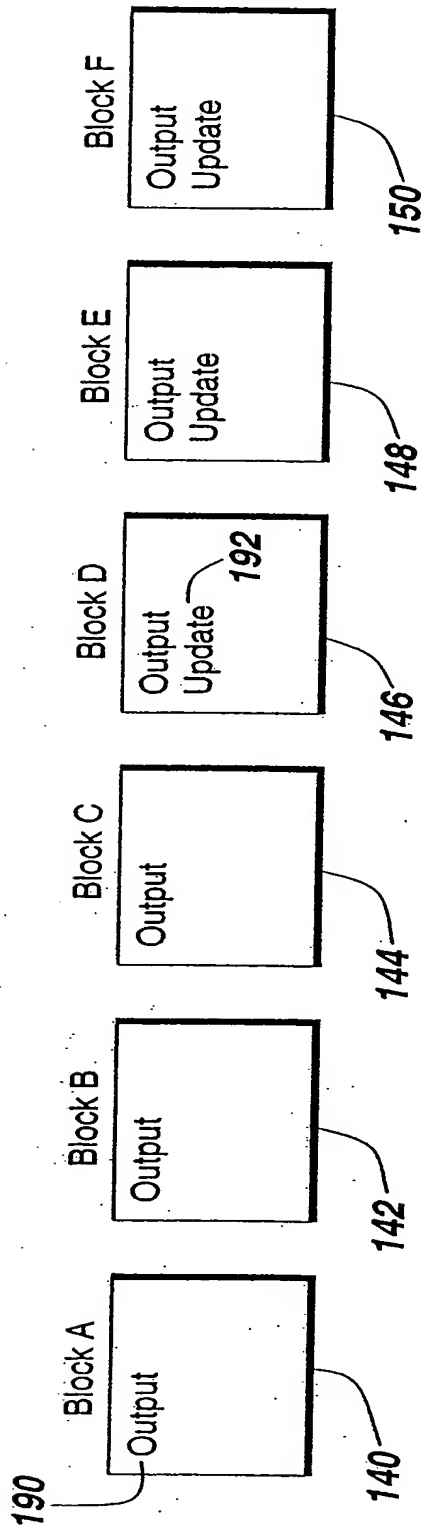
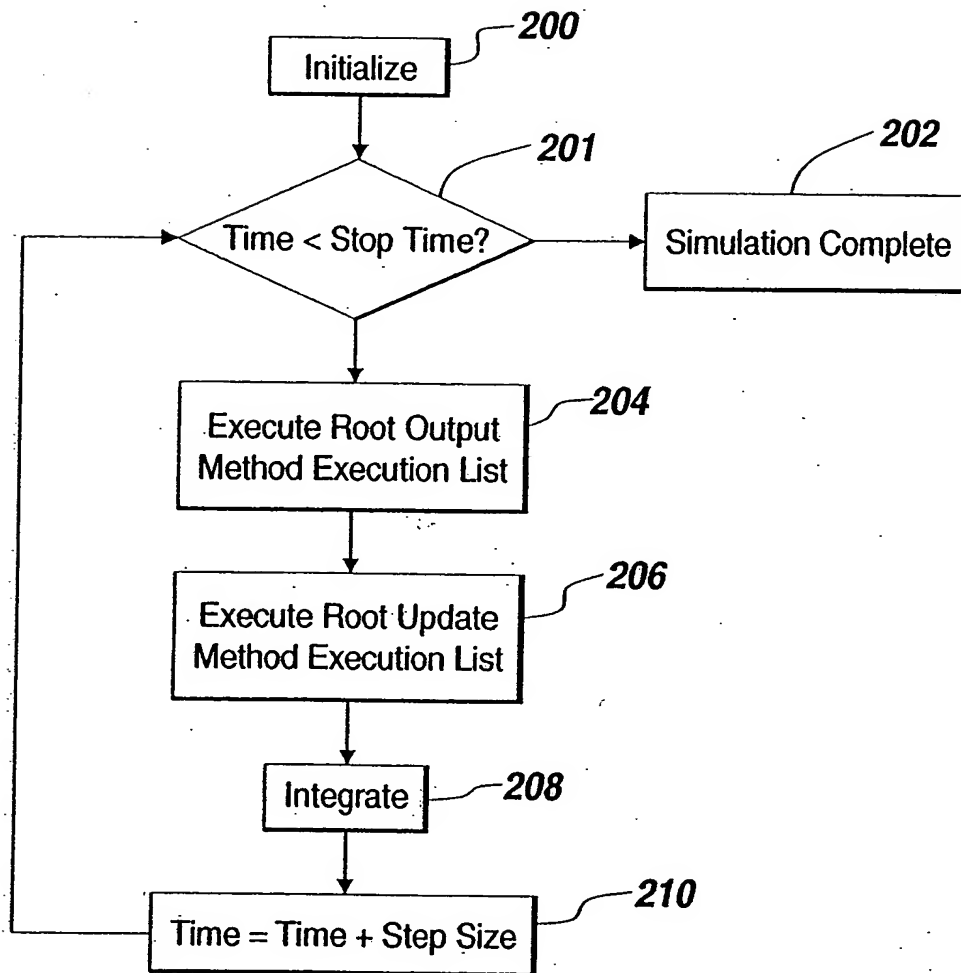
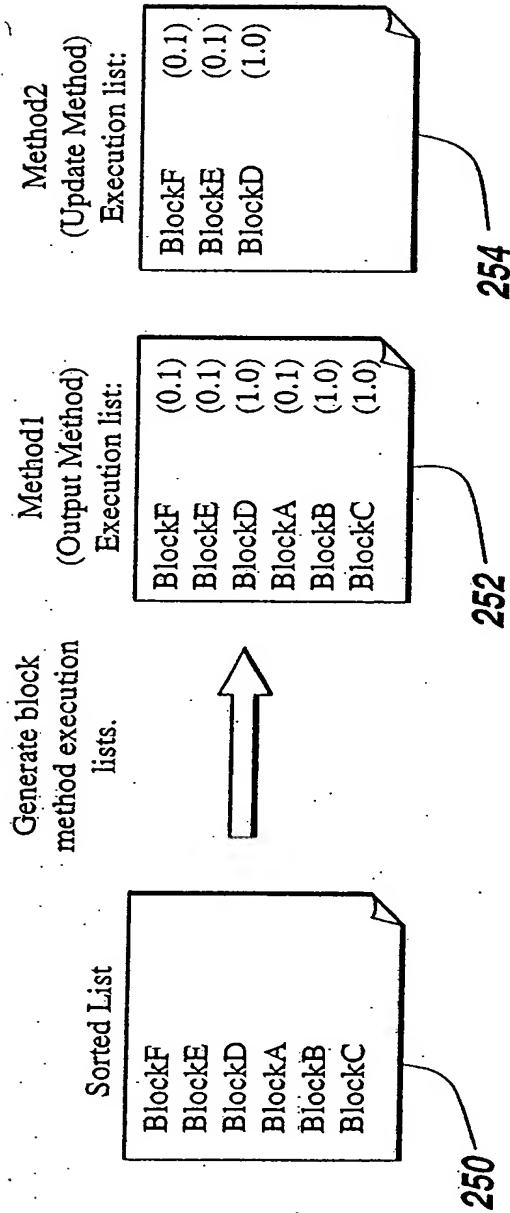


Fig. 9

*Fig. 10*

*Fig. 11A*

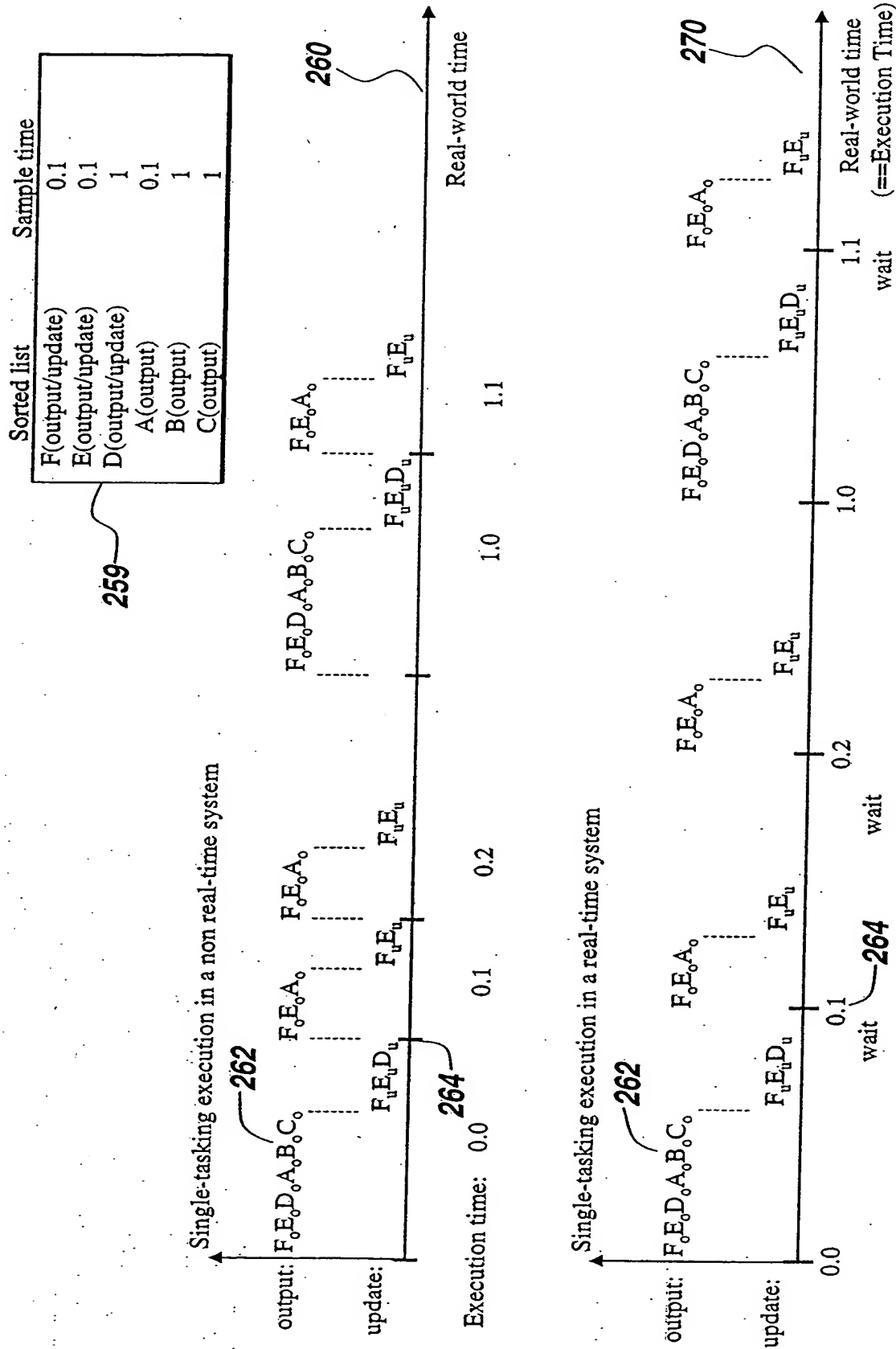


Fig. 11B

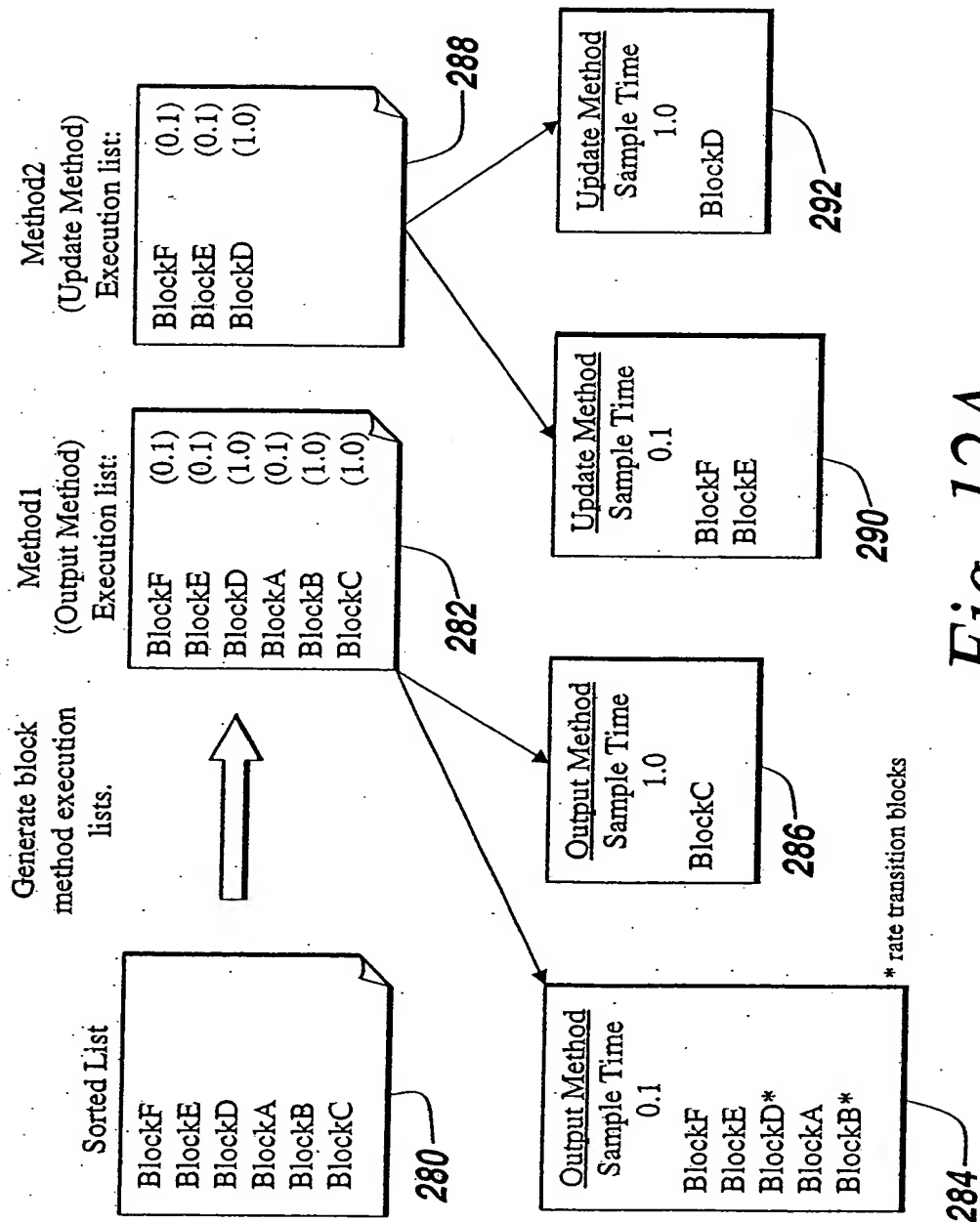


Fig. 12A

Sorted list	Sample time
F(output/update)	0.1
E(output/update)	0.1
D(output/update)	1 promoted to 0.1 task
A(output)	0.1
B(output)	1 promoted to 0.1 task
C(output)	1

Execution in multi-tasking mode

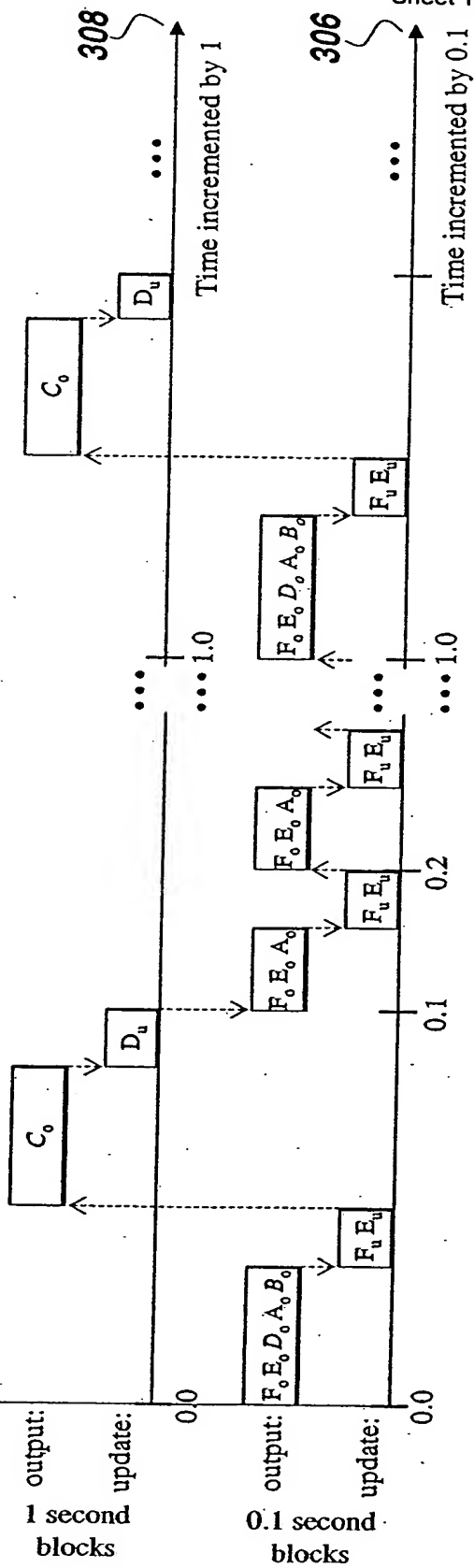
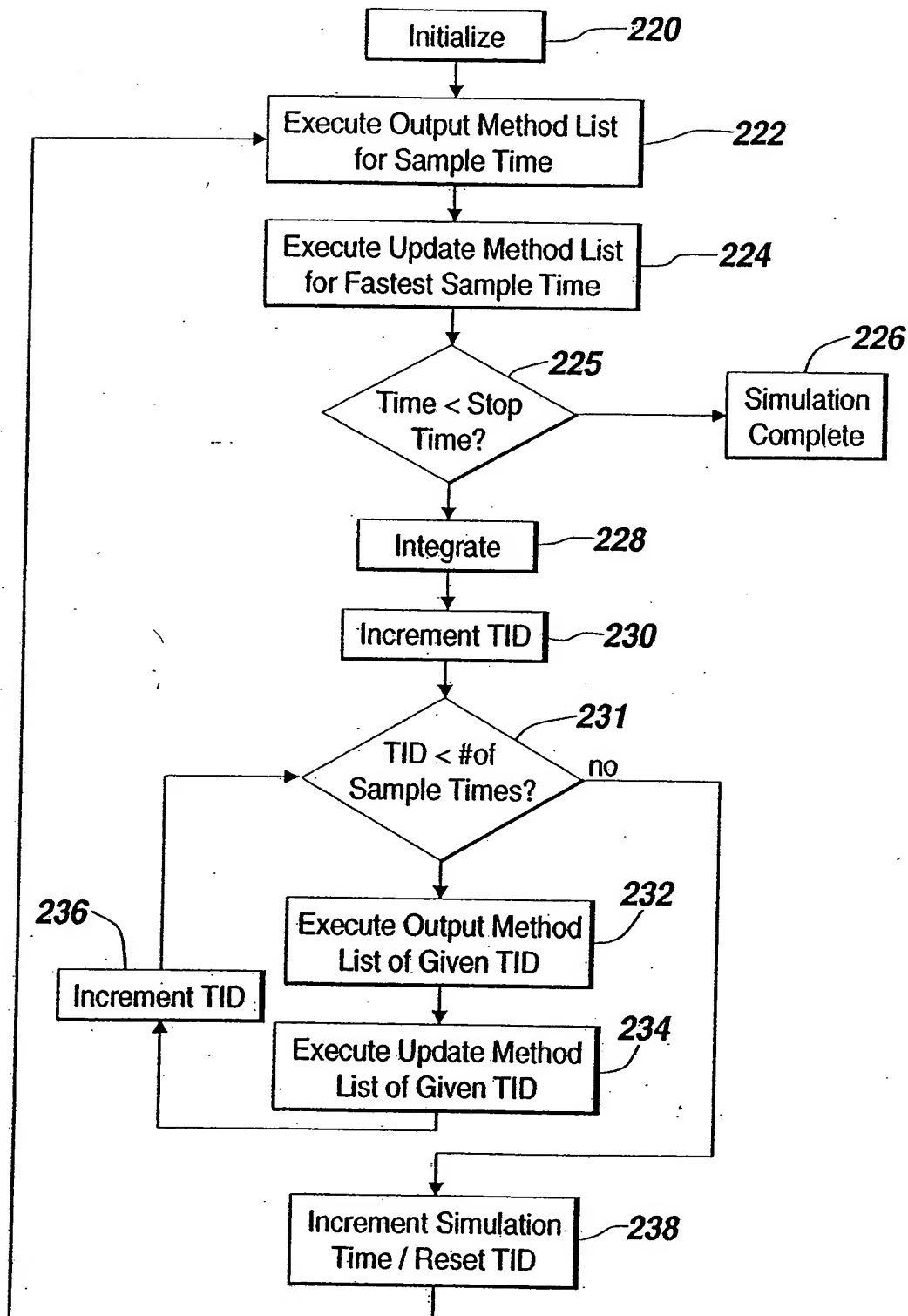
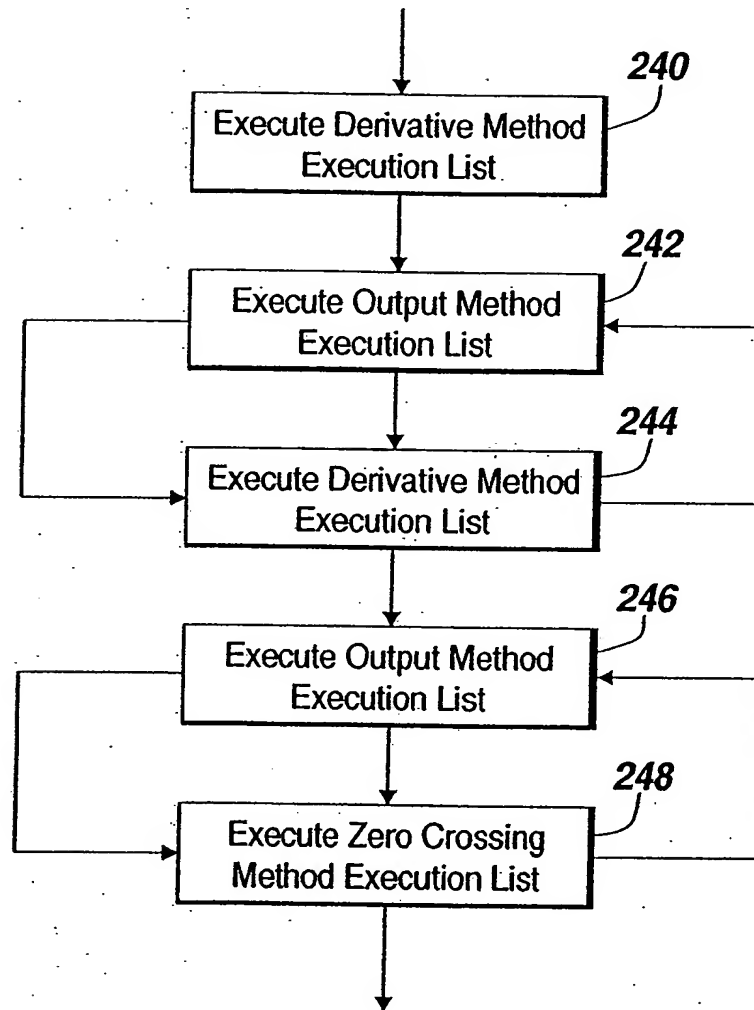
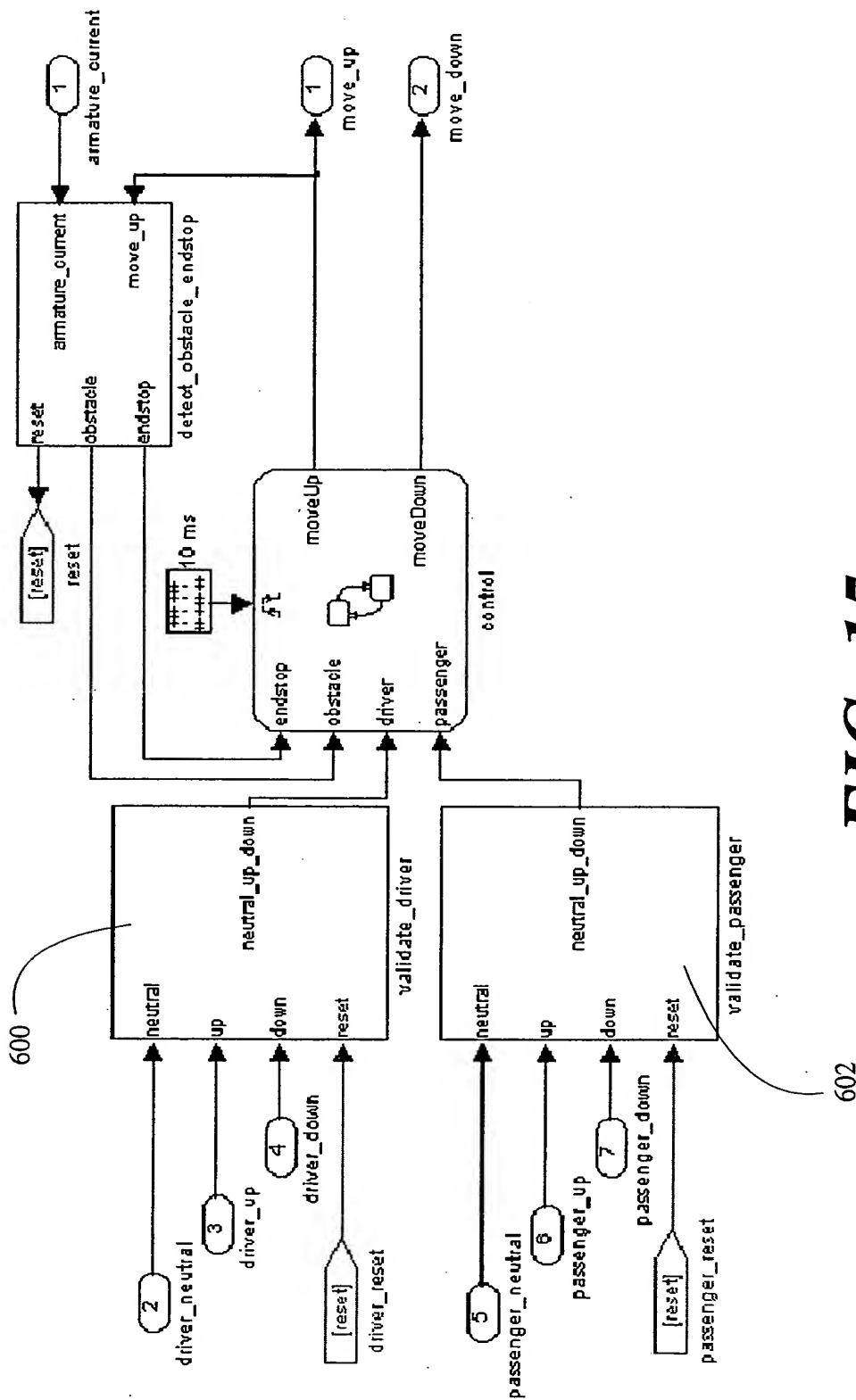


Fig. 12B

*Fig. 13*

*Fig. 14*



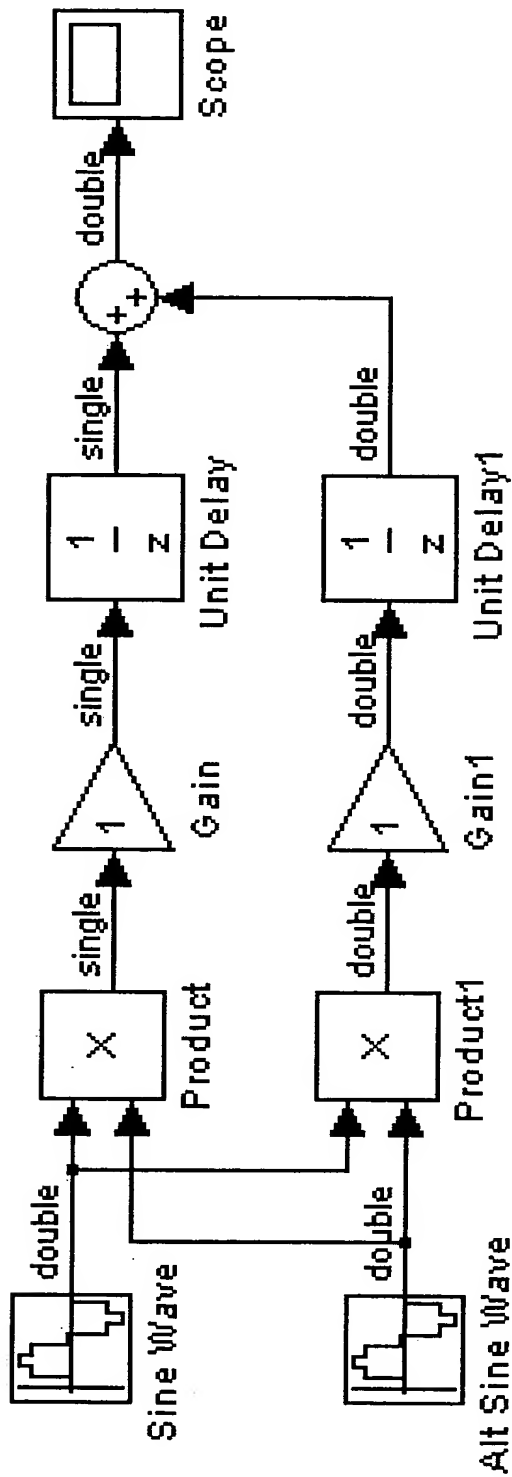
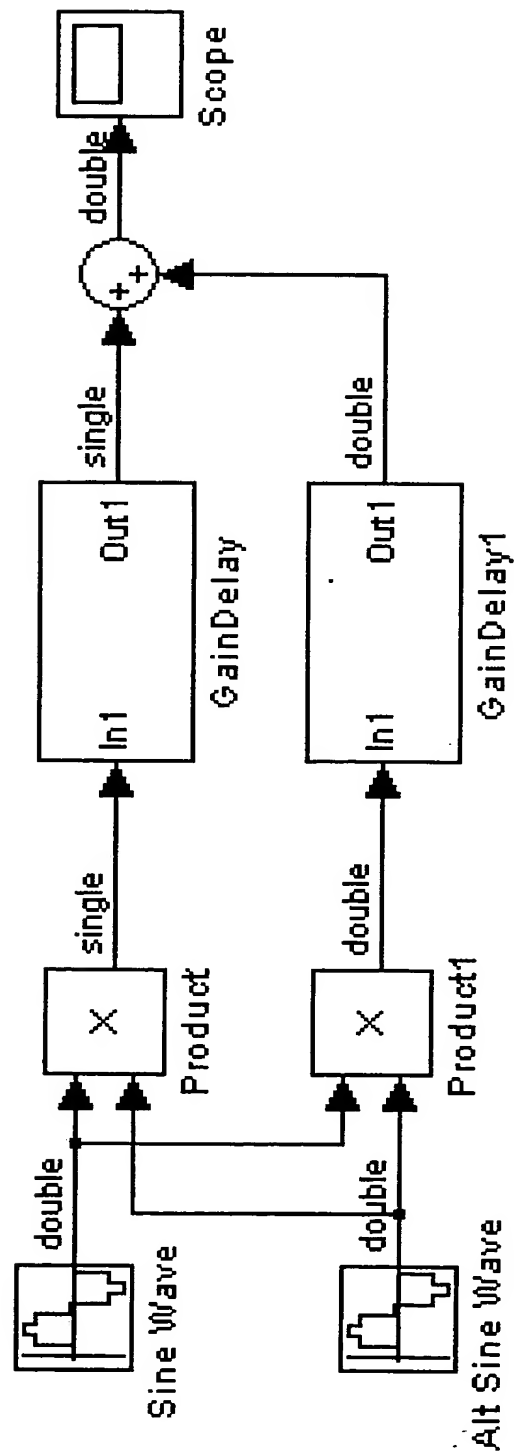


FIG. 16

**FIG. 17**

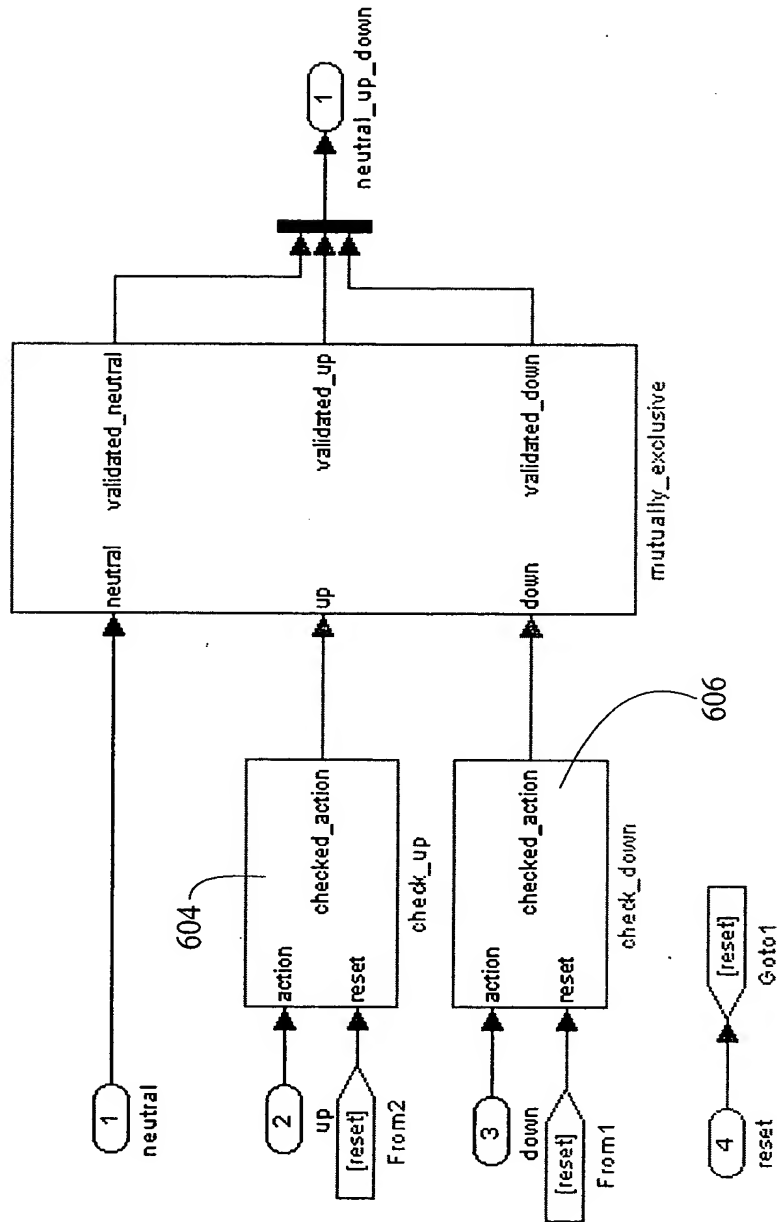


FIG. 18

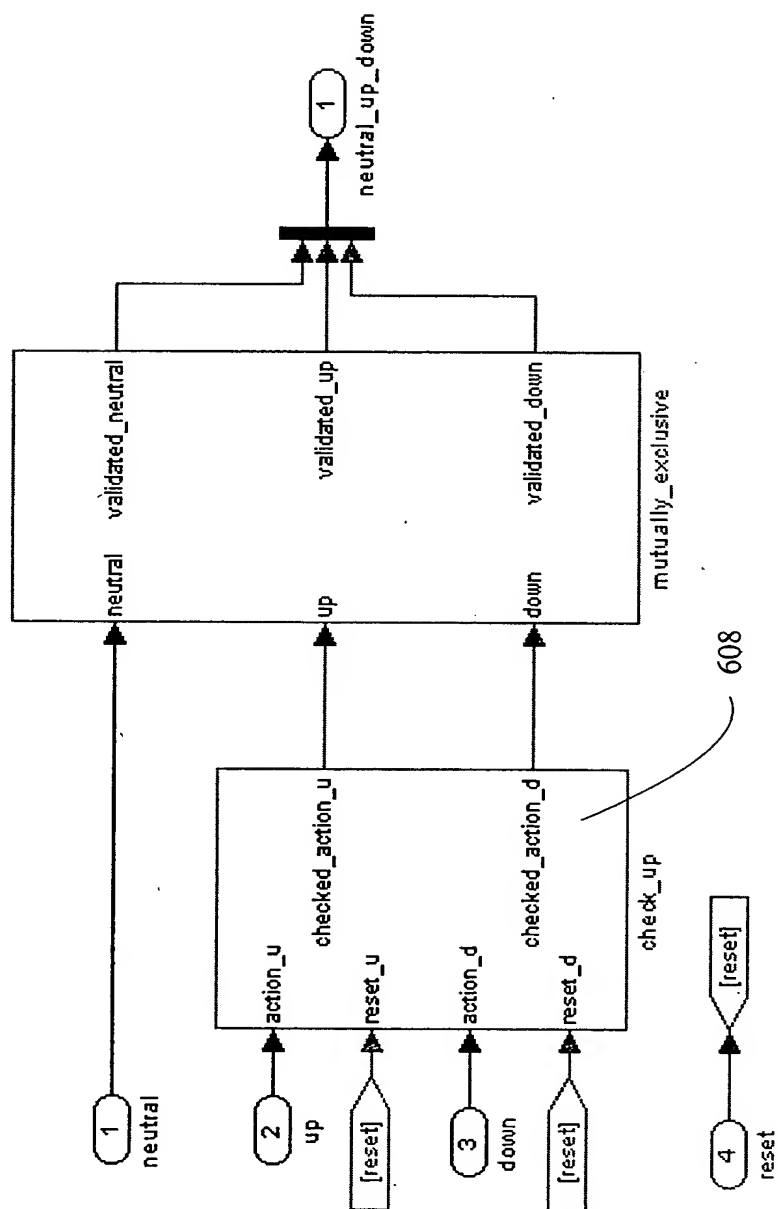
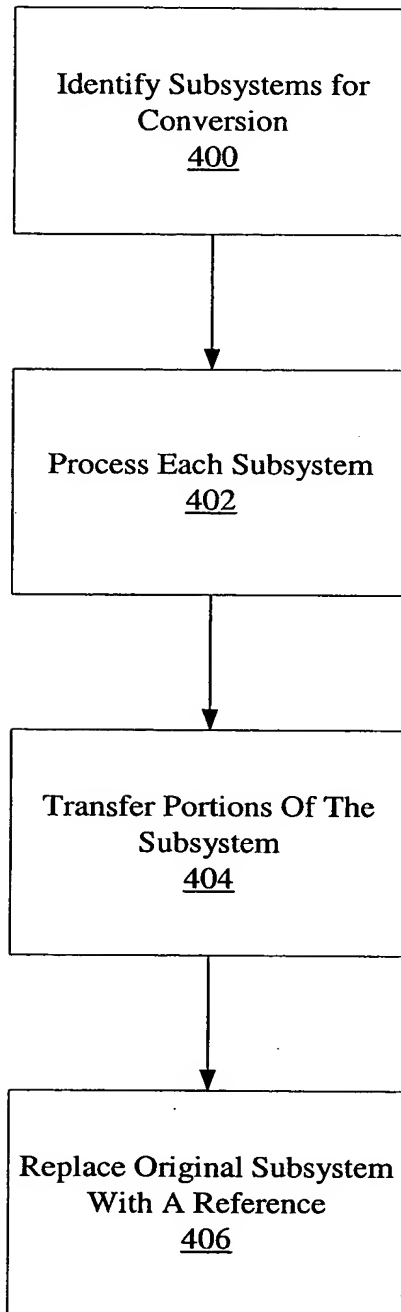
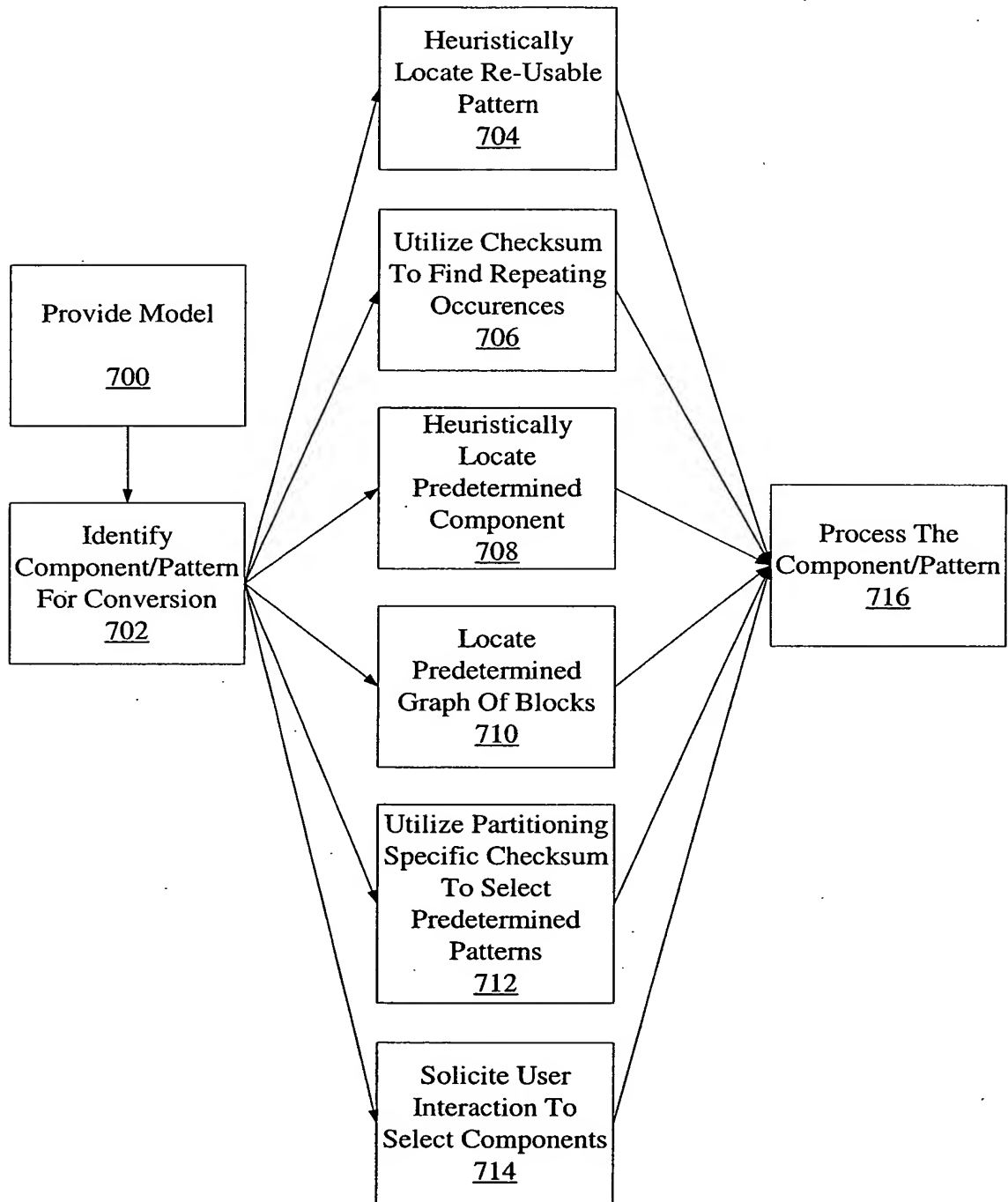


FIG. 19

***FIG 20***

***FIG 21***

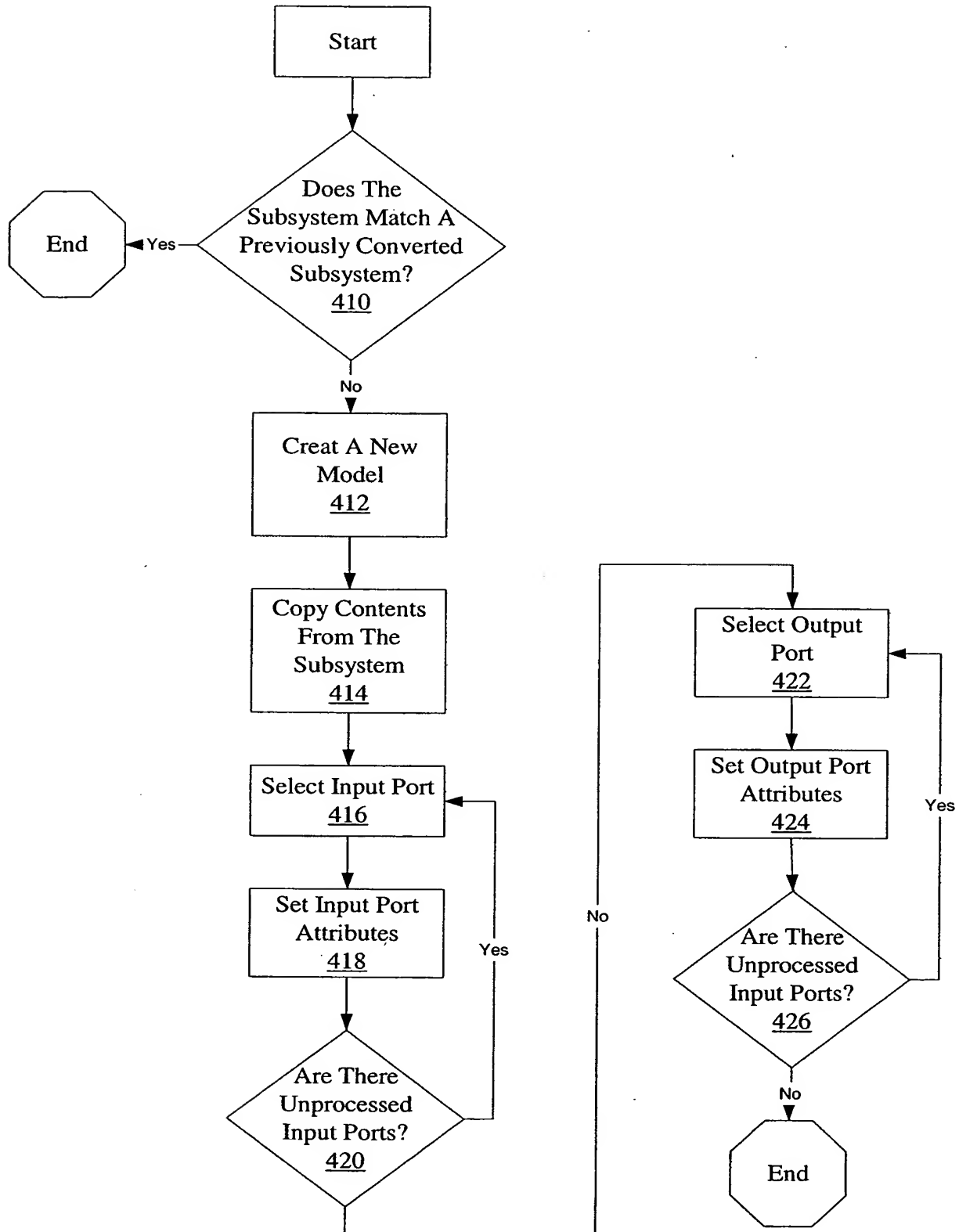
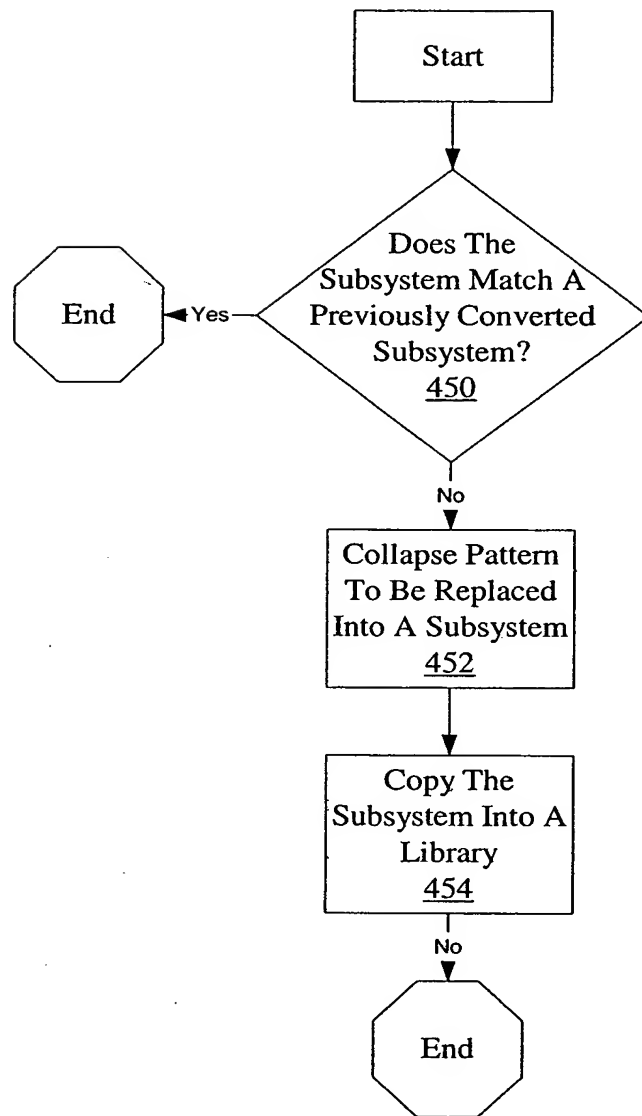
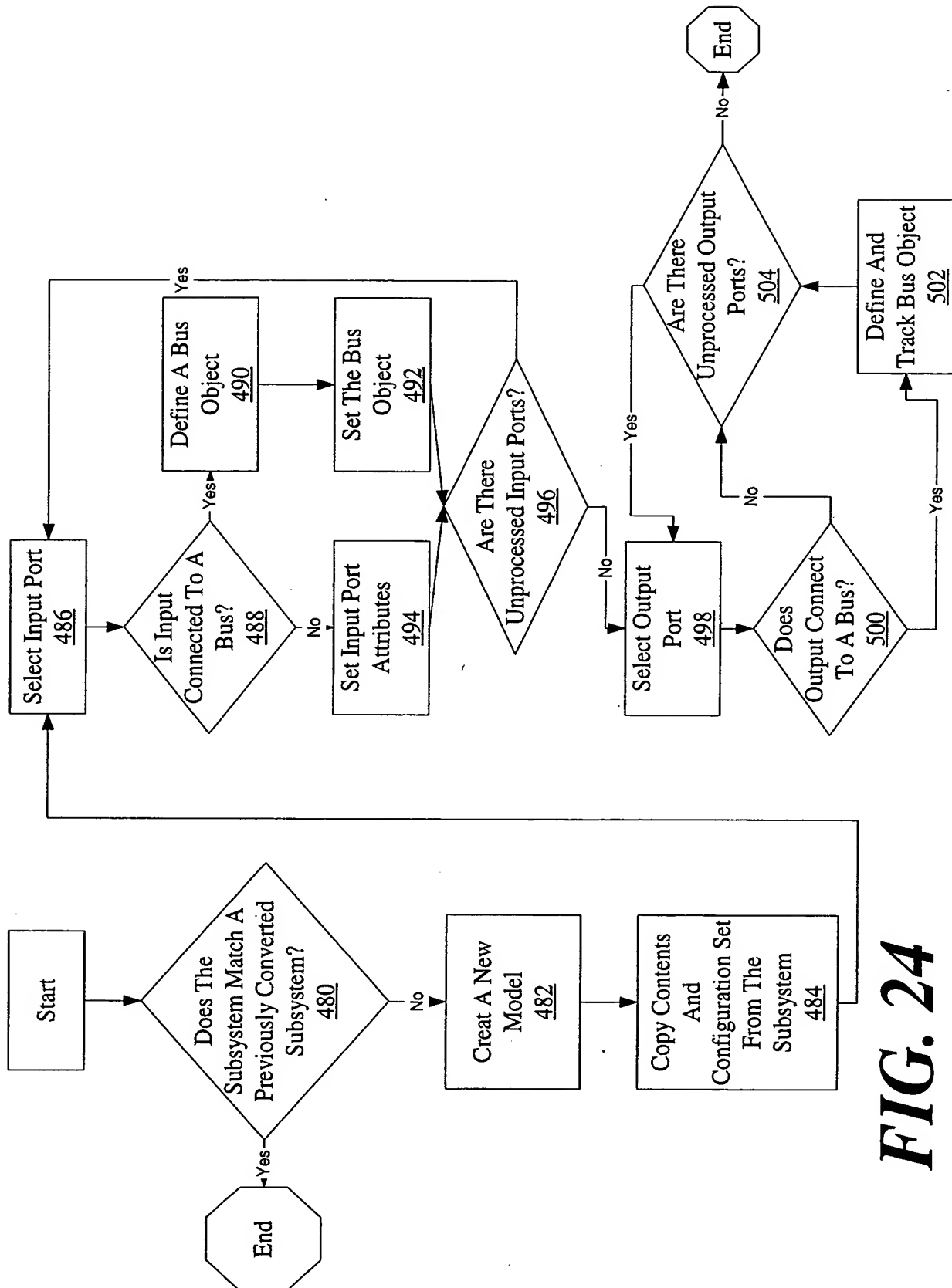


FIG 22

***FIG 23***

**FIG. 24**

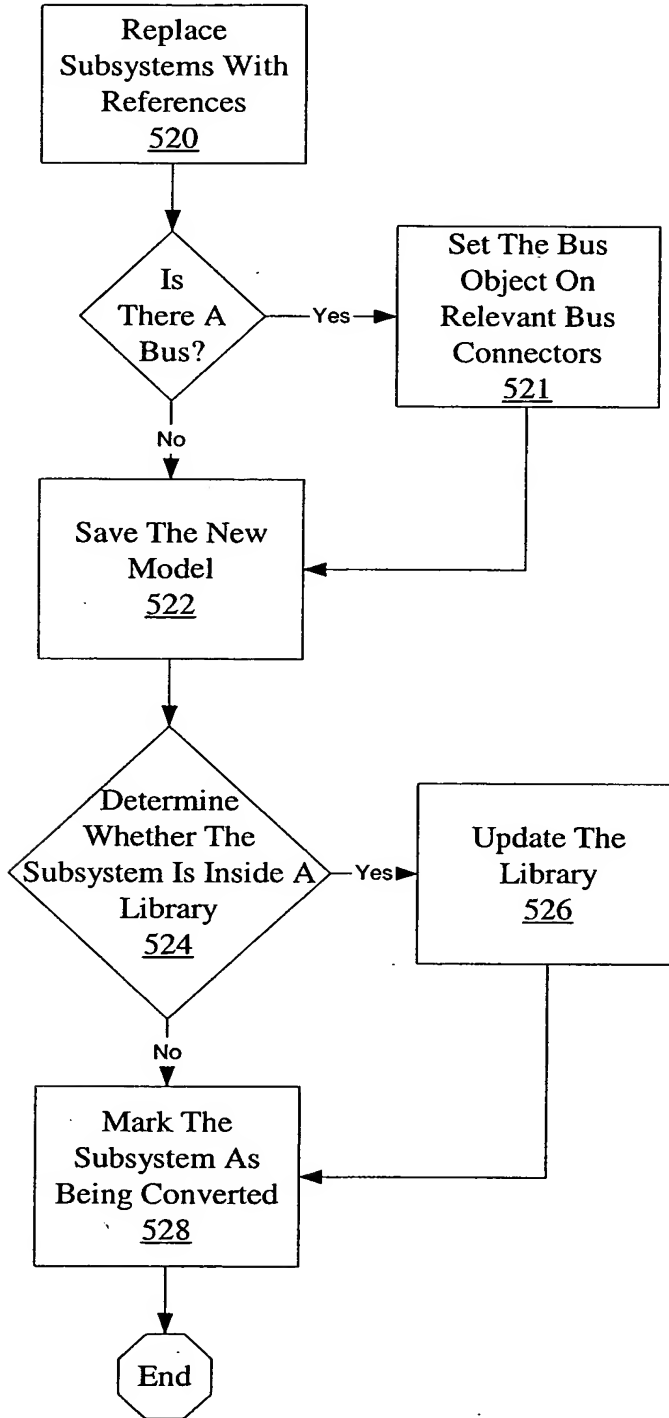
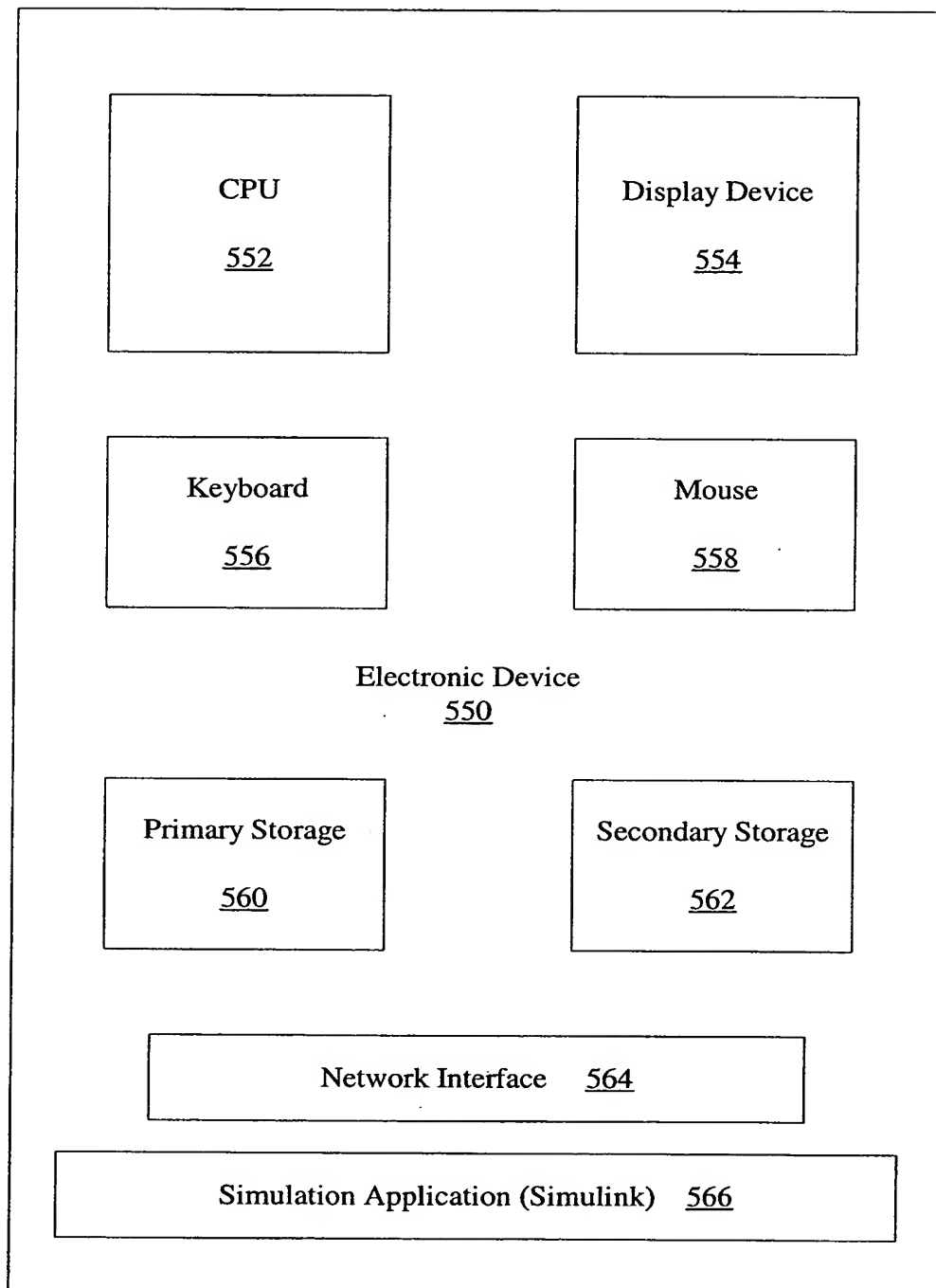


FIG 25

***FIG 26***